	Application No.	Applicant(s)	(pry)
Notice of Allowability	10/708,393	SYED ET AL.	•
	Examiner	Art Unit	
	Angela M. Lie	2821	
	Aligeia IVI. Lie	2021	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT Report to the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is	in this application. If not includ nunication will be mailed in due	led course. THIS
1. This communication is responsive to 10/6/2005.			•
2. X The allowed claim(s) is/are 1,2 and 4-19.			
 3. Acknowledgment is made of a claim for foreign priority ure a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 	e been received.		
2. Certified copies of the priority documents have	•		
3. Copies of the certified copies of the priority do	cuments have been receive	ed in this national stage applica	ation from the
International Bureau (PCT Rule 17.2(a)). * Certified copies not received:			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the re	equirements
4. A SUBSTITUTE OATH OR DECLARATION must be submined in the submined particles of the submined p			NOTICE OF
5. X CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.	•	
(a) 🗵 including changes required by the Notice of Draftspers	son's Patent Drawing Revie	ew (PTO-948) attached	
1) 🛛 hereto or 2) 🗌 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date	s Amendment / Comment o	or in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			e back) of
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT 			Note the
		·	
Attachment(s)			
1. Notice of References Cited (PTO-892)	· <u> </u>	Informal Patent Application (PT	TO-152)
 Notice of Draftperson's Patent Drawing Review (PTO-948) Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No /Mail Date 	6. Interview Summary (PTO-413), Paper No./Mail Date		
		s Amendment/Comment	
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🖾 Examiner	s Statement of Reasons for All	lowance (
	9. 🗌 Other	- Modicie	ichil
·	•	Hoanganh Primary Exam	

DETAILED ACTION

EXAMINER'S AMENDMENT

- 1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
- 2. Authorization for this examiner's amendment was given in a telephone interview with Andrew Babcock on April 5th, 2006.
- 3. The application has been amended as follows:

In claim 1, line 1, after "a radome" insert --with the front/back ratio reduction characteristic--.

In claim 1, line 2, after "a radome" insert --in contact--.

In claim 15, line 1, after "a reflector antenna" insert --with the front/back ratio reduction characteristic--.

4. The Examiner's amendment has been made in order to place this application in condition for allowance.

Drawings

5. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because part of the drawings is hand written i.e. numbering of elements and figures. Applicant is advised to employ the services of a competent patent draftsperson

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outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

Allowable Subject Matter

- 6. Claims 1,2 and 4-19 are allowed.
- 7. The following is an examiner's statement of reasons for allowance:

As to claim 1, the prior art of record fails to teach a radome with the front/back ratio reduction characteristic for a reflector antenna comprising: a radome with a conductive ring having an inward facing edge extending inward along the radome at least to an inner dimeter of a distal end of a main reflector of the reflector antenna.

As to claims 2 and 4-9, those claims are allowed be the virtue of their dependency on claim 1.

As to claim 10, the prior art of record fails to teach a method for reducing front/back ratio of a reflector antenna comprising the steps of: coupling a conductive ring to a periphery of radome wherein the inward facing edge extending inward along the radome at least to an inner diameter of a distal end of a main reflector of the reflector antenna.

As to claims 11-14, those claims are allowed by the virtue of their dependency on claim 10.

As to claim 15, the prior art of record fails to teach a reflector antenna with the front/back ratio reduction characteristic comprising a sub reflector and a conductive ring coupled to the radome wherein the conductive ring has an inward facing edge extending inward along the radome at least to an inner diameter of a distal end of the reflector proximate a periphery of the radome.

As to claims 16-19, those claims are allowed by the virtue of their dependency on claim 15.

8. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

The Prior Art

- 9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
 - US 4581615 discloses a double reflector antenna with integral radome reflector support
 - US 20030038753 discloses a high gain, low slide lobe dual reflector microwave antenna
 - US 4755819 discloses a reflector antenna and method of fabrication
 - US 6020859 discloses a reflector antenna with a self-supported feed

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US 5317328 discloses a horn reflector antenna with absorber lined conical feed.

Inquiry

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Angela M. Lie whose telephone number is 571-272-8445. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on 571-272-1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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